FORM B No : [.PR0/ABU/20080109130600

NAME OF SHIP: ESTIA BV REGISTER: 07430D

- [-] 4. has been approved in accordance with resolution A233(VII)
- [-] 5. has been approved in accordance with national standards not based upon resolution A393(X) or A.233(VII)
- [-] 6, has not been approved
- [-] 2.3.2. The process unit has been approved in accordance with resolution A444(XI)
- 2,3.3. The oil content meter
- [-] 1. has been approved in accordance with resolution A393(X)
- [-] 2.has been approved in accordance with resolution MEPC 60(33)
- [x] 3.has been approved in accordance with resolution MEPC107(49)
- 2.4. Maximum throughput of the system is 5.0 m3/h
- 2.5. Waiver of regulation 14
- [-] 2.5.1. The requirements of regulation 14.1 and 14.2 are waived in respect of the ship in accordance with regulation 14.5.
- [-] The ship is engaged exclusively on voyages within special areas):
- [~] 2.5.2. The ship is fitted with holding tank(s) for the total retention on board of all oily bilge water as follows:

Tank Identification	Tank	Location	Volume (m3)
	Frames (from) - (to)	Lateral position	
**			
	- 		
		· · · · · ·	Total Volume (m.

- [-] 2.5.3. In licu of holding tank(s) the ship is provided with arrangements to transfer bilge water to the stop tank
- 2A.1 The ship is required to be constructed according to regulation 12A and complies with the requirements of
- [-] paragraphs 6 and either 7 or 8 (double hull construction)
- [-] paragraph 11 (accidental oil fuel outflow performance).
- 2A.2
- [x] The ship is not required to comply with the requirements of regulation 12A.
- 3. MEANS FOR RETENTION AND DISPOSAL OF OIL RESIDUES (SLUDGE) (regulation 12) AND BILGE WATER HOLDING TANK(S)(Bilge water holding tank(s) are not required by the Convention, entries in the table under paragraph 3.3 are voluntary.)

3.1. The ship is provided with oil residue (sludge) tanks as follows:

Tank Identification	Tank	Location	Volume (m3)
	Frames (from) - (to)	Lateral position	
DIRTY LOTANK	23-26	DOUBBLE BOTTOM S	5.34
DIRTY F.O.TANK	22-26	DOUBLE BOTTOM P	6.52
F.O.SLUDGE TANK	26-30	DOUBLE BOTTOM P	11,89
PURILLO.SLUDGE TANK	27-31	E/R 3RD DECK P	4 56

FORM B No : LPR0/ABU/20080109130600

NAME OF SHIP: ESTIA BV REGISTER: 07430D

Tank Identification	Tank	Location	Volume (m3)
	Frames (from) - (to)	Lateral position	
PURI, F.O.& D.O. SLUDGE YK	31-38	E/R 3RD DECK P	7,98
BILGE OIL TANK	26-30	DOUBLE BOTTOM S	11.89
INCINERATOR SLUNGES TK		ELR. NOILERS WATFORD, STAN	2.147
HE SCAV. AIR DRAIN TK		LOWER FLOCK . TORTHINE	<u>4</u> .139
THE BRIDE YE			Total Volume (m3)
		1	54.460 كاستان

3.2. Means for the disposal of residues in addition to the provisions of sludge tanks:

- [x] 1. Incinerator for oil residues, capacity 65 l/h
- [-] 2. Auxiliary boiler suitable for burning oil residues
- [-] 3. Tank for mixing oil residues with fuel oil, capacity m3
- [-] 4. Other acceptable means:



3.3. The ship is fitted with holding tank(s) for the retention on board of oily bilge water as follows

Tank Identification	Tank	Location	Volume (m3)	
	Frames (from) - (to)	Lateral position		
DIRTY BILGE HOLDING TANK	30-40	DOUBLE BOTTOM S	32.49	
CLEAN BILGE HOLDING TANK	13-19	OOUBLE BOTTOM CENTER	32.21	
<u></u> .				
			·	
<u> </u>		<u> </u>	Total Volume (m3)	

4. STANDARD DISCHARGE CONNECTION (regulation 13)

[x] The ship is provided with a pipeline for the discharge of residues from machinery bilges to reception facilities, fitted with a standard discharge connection in accordance with regulation 13

5. CONSTRUCTION (regulations 18, 19, 20, 23, 26, 27 and 28)

- 5.1. In accordance with the requirements of regulation 18, the ship is
- [x] 1. Required to be provided with SBT and PL and COW
- [-] 2. Required to be provided with SBT and PL
- [-] 3. Required to be provided with SBT
- [-] 4. Required to be provided with SBT or COW
- [-] 5. Required to be provided with SBT or CBT
- [-] 6. Not required to comply with the requirements of regulations 18

5.2. Segregated ballast tanks (SBT)

- [x] 1. The ship is provided with SBT in compliance with regulation 18
- [x] 2. The ship is provided with SBT which are arranged in protective locations (PL) in compliance with regulation 18.12 to 18.15
- [x] 3. SBT are distributed as follows:

Tank	Volume (m3)	Tank	Volume (m3)
F.P.T.	1924.14	No.6 W B.T. P&S	2151 72x2
Mo.1 W.B.T. P&S	1965.52×2	A P.T.	653.35
No.2 W.B.T. P&S	1813.93x2		

NE 2412G - Page 4/8

FORM B No : LPR0/ABU/20080109130600

NAME OF SHIP: ESTIA BV REGISTER: 07430D

Tank	Volume (m3)	Tank	Volume (m3)
No.3 W.B. (. P&S	1822 95x2		
No. 44.8.T. P&S	1822 95x2		
No.5 W.B.T. PBS	1820.83×2	Total	25381 .49 m3

5.3. Dedicated clean ballest tanks (CBT)

[-] 1. The ship is provided with CBT in compliance with regulation 18.8, and may operate as a product carrier 2. CBT are distributed as follows:

Tank	Volume (m3)	Tank	Volume (m3)
	-		
		·	
		Total	mi

- [-] 3. The ship has been supplied with a valid Dedicated Clean Ballast Tank Operation Manual, which is dated
- [-] 4. The ship has common piping and pump arrangements for ballasting the CBT and handling cargo oil
- [-] 5. The ship has separate independent piping and pumping arrangements for ballasting the CBT
- 5.4. Crude oil washing (COW)
- [-] 1. The ship is equipped with a COW system in compliance with regulation 33
- [x] 2. The ship is equipped with a COW system in compliance with regulation 33 except that the effectiveness of the system has not been confirmed in accordance with regulation 33.1 and paragraph 4.2.10 of the Revised COW specifications (resolution A.446(XI) as amended by resolution A.497(XII) and A.897(21))
- [x] 3. The ship has been supplied with a valid Crude Oil Washing Operations and Equipment Manual, which is dated 14/12/2006
- [-] 4. The ship is not required to be but is equipped with COW in compliance with the safety aspects of Revised COW Specifications (resolution A.446(XI) as amended by resolution A.497(XII) and A.897(21))
- 5.5. Exemption from regulation 18:
- [-] 1. The ship is solely engaged in trade between in accordance with regulation 2.5 and is therefore exempted from the requirements of regulation 18
- [-] 2. The ship is operating with special ballast arrangements in accordance with regulation 18.10 and is therefore exempted from the requirements of regulation 18
- 5.6. Limitation of size and arrangements of cargo tanks (regulation 26)
- [x] 1. The ship is required to be constructed according to, and complies with, the requirements of regulation26
- [-] 2. The ship is required to be constructed according to, and complies with, the requirements of regulation 26.4 (see regulation 2.2)
- 5.7. Subdivision and stability (regulation 28)
- [x] 1. The ship is required to be constructed according to, and complies with, the requirements of regulation28
- [x] 2. Information and data required under regulation 28.5 have been supplied to the ship in an approved form
- [x] 3. The snip is required to be constructed according to, and complies with the requirements of regulation 27
- [-] 4. Information and date required under regulation 27 for combination carriers have been supplied to the ship in a written procedure approved by the Administration
- 5.8 Double hull construction
- 5.8.1. The ship is required to be constructed according to regulation 19 and complies with the requirements of:
- [x] 1. paragraph (3) (double-hull construction)
- [-] 2. paragraph (4) (mid-height deck tankers with double side construction)
- [-] 3. paragraph (5) (alternative method approved by the Marine Environment Protection Committee)

NE 2412G - Page 5/8

· •	FORM B No : LPR0/ABU/20080109130600 NAME OF SHIF : ESTIA BV REGISTER : 07430D
	[-] 5.8.2. The ship is required to be constructed according to and complies with the requirements of regulation 19.6 (double bottom requirements)
	{-] 5.8.3.The ship is not required to comply with the requirements of regulation 19
	5.8.4. The ship is subject to regulation 20 and: [-] I. is required to comply with paragraph 2 to 5, 7 and 8 of regulation 19 and regulation 28 in respect of paragraph 28.6 not later than [-] 2. is allowed to continue operation in accordance with regulation 20.5 until
	[-] 3. is allowed to continue operation in accordance with regulation 20.7 until
4	5.8.5 [x] The ship is not subject to regulation 20.
·	5.8.6 [-] The ship is subject to regulation 21 and; [-] 1. is required to comply with regulation 21.4 not later than [-] 2. is allowed to continue operation in accordance with regulation 21.5 until [-] 3. is allowed to continue operation in accordance with regulation 21.6.1 until [-] 4. is allowed to continue operation in accordance with regulation 21.6.2 until [-] 5. 5 is exempted from the provisions of regulation 21 in accordance with regulation 21.7.2.
	5.8.7 [x] The ship is not subject to regulation 21.
·	5.8.8 The ship is subject to regulation 22 and: [-] .1 complies with the requirements of regulation 22.2 [-] .2 complies with the requirements of regulation 22.3 [-] .3 complies with the requirements of regulation 22.5 [x] 5.8.9 The ship is not subject to regulation 22
	5.9 Accidental oil outflow performance [-] 5.9.1 The ship complies with the requirements of regulation 23
	6. RETENTION OF OIL ON BOARD (regulation 29, 31 and 32)
	6.1. Oil discharge monitoring and control system
	[-] 6.1.1.The ship comes under category oil tanker as defined in resolution A.496(XII) A.586(14)*
	[x] 6.1.2.The oil discharge monitoring and control system has been approved in accordance with resolution MEPC108(49)**
	 For all tankers the keels of which are laid, or which are at a similar stage of construction, on or after 2 October 1986 should be fitted with a system approved under resolution A.586(14) Oil tankers the keels of which are laid, or which are at a similar stage of construction, on or after 1 January 2005 should be fitted with a system approved under resolution MEPC 198(49)
	6.1.3. The system comprises: [x] 1. control unit [-] 2. computing unit [x] 3. calculating unit
	6.1.4. The system is: [x] 1. fitted with a starting interlock [x] 2. fitted with automatic stopping device
	6.1.5. The oil content meter is approved under the terms of resolution A.393(X) A.586(14)*** MEPC.108(49) suitable for: [x] 1. crude oil [x] 2. black products [x] 3. white products [-] 4. oil-like noxious liquid substances as listed in the attachment to the Certificate
	*** For oil content meters installed on tankers built prior to 2 October 1986, refer to the Recommendation on international performance and lext specifications for oily-water separating equipment and oil content meters adopted by the Organization by resolution A.393(X). For oil content meters as part of discharge monitoring and control systems installed on tankers built on or after 2 October 1986, refer to the Guidelines and specifications for oil discharge monitoring and control systems for oil tankers adopted by the Organization by resolution A.386(14). For oil content meters as part of discharge monitoring and convol systems installed on tankers the keel of which are laid or are in a similar stage of construction on or after 1 January 2005, refer to the revised Guidelines and specifications for oil discharge monitoring and control systems for oil tankers adopted by the Organization by resolution MEPC, 108(49).

NE 2412G - Page 6/8

FORM B No : LPRO/ABU/20080109130600

NAME OF SHIP: ESTIA BV REGISTER: 07430D

- [x] 6.1.6. The ship has been supplied with an operations manual for the oil discharge monitoring and control system
- 6.2. Slop tanks
- [x] 6.2.1. The ship is provided with two (2)slop tanks totall capacity 2890.362m3 and one(1) residual tank capacity 326.573m3 dedicated slop tank(s) with the total capacity of 3216.935 m3 which is 3.9% of the oil carrying capacity, in accordance with:
 - [x] 1. Regulation 29.2.3
 - [-] 2. Regulation 29.2.3.1
 - [-] 3. Regulation 29.2.3.2
 - [-] 4. Regulation 29.2.3.3
- [-] 6.2.2. Cargo tanks have been designated as slop tanks
- 6.3. Oil/water interface detectors
- [x] 6.3.1. The ship is provided with oil/water interface detectors approved under the terms of resolution MEPCS(XIII)*
 *Refer to the Specification for oil/water interface detectors adopted by the Marine Environment Protection Committee of the Organization by resolution MEPCS(XIII)
- 6.4. Exemptions from regulation 29, 31 and 32
- [-] 6.4.1. The ship is exempted from the requirements of regulation 29, 31 and 32 in accordance with regulation 2.4
- I-1 6.4.2. The ship is exempted from the requirements of regulation 29, 31 and 32 in accordance with regulation 2.2
- 6.5. Waiver of regulation
- 6.5.1. The requirements of regulation 31 and 32 are waived in respect of the ship in accordance with regulation 3.5. The ship is engaged exclusively on:
- [-] 1. Specific trade under regulation 2.5:
- [-] 2. Voyages within special area(s):
- [-] 3. Voyages within 50 miles of the nearest land outside special area(s) of 72 hours or less in duration restricted to:

7. PUMPING, PIPING AND DISCHARGE ARRANGEMENTS (regulation 36)

- 7.1. The overboard discharge outlets for segregated ballast are located:
 - [x] above the waterline
 - [-] below the waterline
- 7.2. The overboard discharge outlets, other than the discharge manifold, for clean ballast are located (Only those outlets which can be monitored are to be indicated):
 - [-] above the waterline
 - [-] below the waterline
- 7.3 The overboard discharge outlets, other than the discharge manifold, for dirty ballast are located :
 - [x] 1. above the waterline
 - [-] 2. below the waterline in conjunction with the part flow arrangements in compliance with Regulation30.6.5
 - [-] 3. below the waterline
- 7.4. Discharge of oil from cargo pumps and oil lines (regulation 30.4 and 30.5)
 - 7.4.1. Means to drain all cargo pumps and oil lines at the completion of cargo discharge
 - [x] 1. drainings capable of being discharged to a cargo tank or slop tank
 - [x] 2. for discharge ashore a special small diameter line is provided

8. SHIPBOARD OIL POLLUTION EMERGENCY PLAN (regulation 37)

- [x] 8.1. The ship is provided with a shipboard oil pollution emergency plan in compliance with regulation37
- [-] 8.2. The ship is provided with a shipboard marine pollution emergency plan in compliance with regulation37.3

NE 2412G - Page 7/8

FORM B No : LPRO/ABU/20080109130600

NAME OF SHIP: ESTIA BV REGISTER: 07430D

9. EXEMPTION

[-] 1. Exemptions have been granted by the Administration from the requirements of chapter3 of Annex I of the Convention in accordance with regulation 3.1 on those items listed under paragraph(s) of this Record.

10. EQUIVALENTS (regulation 5)

[-] I. Equivalents have been approved by the Administration for certain requirements of Annex I on those items listed under paragraph(s) of this Record.

THIS IS TO CERTIFY that this Record is correct in all respects.

Issued at Piraeus, on the 9 January 2008

BUREAU VERITAS

D. BOUTTIER

By Order of the Secretary

CY.

Name of ship	M/T ESTIA	
IMO Number	9327035	

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
	I		DIRTY BILGE HOLDING TO
			TANKE CAPACITY 32.49 W
			OT'T RETAINED GGO W
		<u> </u>	L WAY 3011 Leavent 2
8 May 2011	۵	13	0,29 m3 BILEF.W
		14	FM 08:02 TO 08:11
		15.3	TRANSFERED TO DIRTY BILGE H. K
			DY'Y RETAINED C.88m?
			8 MAY 2011 Juny &
3 MAY 2011	D_	1.3	6,89 m3 BILGE WATER, FM DIRTY BILGE, H.
		14	FM 08:30 70 10:38
<u>.</u>		<u> </u>	TRANSFEREN TO BILG OIL TO RETAINED POLO
			DIL BILGE BILGE DIRTY & O.DW. & MAY 2011 Jung
9m8/2011	<u> </u>	12.9	0,30 m SLUBGES, FM ME SCANTINGE BOX. TO
			TRANSFERED TO INCINER. SLUNGE. &
-		<u> </u>	RETAINED 160m SCAVENCE BOX & RET QUE
			9 mad 2011 Jung 1
9 MAY 2011	C	12.3	0,390m3 SLUDGES INCINERATED
			WORKING HES 808

Signature of Master ..

* TOTAL

TOURNARIS EVANGELOS MASTER

IMO Number	932f 035	

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
	(letter)	(Humour)	
			DRY ESTAINED INCINER SLUXE & 121 m
			3 MAY 2011
0.MAY 2011	Z		INSPECTED AND CLEANED DIRTY BILGE HOLDING TO
O.P. IN F WOIL	-		10 MAY 2011 Jung 1/2
10 MAY2011	6	12 3	0940 m3 SLUDGES INCLUDERATED MORKING HE
O HILL AD			10:00 07'Y RETAINED INCINER SLUDGE & 2,98m.
			10 MAY 2011 Jung
10 WA-13011	D.	13	26.30 W BILET W FM CLEAN BILGE H. TC.
1 - 1 - 1 - 1 - 1		14	FM 13:00 TO 18:26
		J <i>S</i> -3	TRANSFORED TO DIDTY BILGE HITE
			QT'T RETAINED 28.30 m3
			OT'Y RETAINED CLEAN BILGE H.TL OOM)
			10. MA-1201 Jung
11 MA-1.20	11 6	12.2	LIF M' SLUDGES TRANSFERED FM FULLDO PURIFIER
11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1			SLUDGE & RETAINED 130m3
			TO INCINER SLUDGE RETAINED 2,14 m
>			11 MAY 2011 Jung 3/
11 MM20	IIZ		INSPECTED AND CLEANED CLEAN BILGE
11,7,3,7,1			HOCDING TO.

Signature of Master

cle for

TOURNARIS EVANGELOS MASTER REV. 02 Deco

Name of ship	M/T ESTIA	
IMO Number	9328035	

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
11 WB-12011	e	12.3	U, ITO M3 SLUDGES INCINERA-JED
			MORKING HEY 9:30
	<u> </u>		OT'Y RETAINED INCINED SLUDGE TO 1.97 m3
			11.MAY 2011 Jung 3/2
12 MAY 2011	<u> </u>	13	11.32 m3 BILGE, W & DRAINAGES
		14	FM 08 10 TO 68:45
		15.3	TRANSFERED TO CLEAN BILGE W. TC.
			07'Y RETAINED 4.32 m3
			12 MAY 2011 Jang %
12mn y 2011		12.3	0,910 m' SLUDGES INCINERATED
			WORKING HRS 15:00
			OT'Y RETAINED INCINED. SLUDGE 12 1,06 m2
			JE Kreen 1108 1- WW 21
13MA-120U	P	13	1,5 m BILGE W FM BILLE CLEAN. H. TC
	<u> </u>	14	FM 03:09 TO 09:24
		15.1	THEOUGH IS PPM EQUIPMENT
			START Lat. 46°448N/9.000158W
			STOP Lat. 46 ST. W L. 9. 00 F 10. W
		1	OT'Y RETAINED JEM 2011 Jumy

Signature of Master

ClEA

TOURNARIS EVANGELOS MASTER

Name of ship	M/T ESTIA	
IMO Number	9321035	

F	Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
120	3 MAY 2011	D.	13	8.0 m3 BILGE W & ARAWAGEH
			121	FM 03:08 70 10:380
			1.5.3	TRANSFERED TO CLEAN BILGE H. TC.
				OTY RETAINED 10.8 m3
				13. MAY 2011 Januar 2/2
	14. may 2011	۷	12.2	0,5 m3 SLUDGES TRANSFERED TO INCINER SLUME
				RETAINED 1,56 m3
				FROM DIL BILGE to RETAINED 6.48 m3
				14. m A-1 2011 Jamy to
	4.mAy2011		11.1	BUCE OIL K
			1	CAPACUY OF PANK 11.89 m3
Ī			ţ1. <u>3</u>	07'Y RETAINED 0,20 m 6,48 m3
		6	11-1	
				TANK CAPACITY 2, 14 m
			1	07'7 RETAINED 1.56 m3
		C	- 11-1	
			41-2	TANK. CAPACITY 11.89m3
}				97'Y RETAINED 2.66m'
ŀ				

Signature of Master

c/E for

TOURNARIS EVANGELOS MASTER

Name of ship	m/7	ESTIA	 	
IMO Number	93	08 035 '	 ***************************************	***********

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
14.MX72011	C	11.1	PURIFIER LOIL SLUDGE
		11,2	TANK CAPACITY 41.56 m3
·		11.3	197'Y RETAINED 1.39 m3
	ر ـ ٠	11.1	PURIFIER FUS DO SLUDGE TO
		11.2	TANG CAPACITY 7.98 m3
·		11.3	OT'Y RETAINED ISEM?
	(11.1	DIRTY LOIL SLUBGE
		11.2	TANK CAPALITY 534 m3
	_	11.3	DTY RETAINED L. 96 m
	C	11-1	DIRTY FO S TK.
		162	TANIC CAPACITY 6,52m
١.		11.3	QT' T RETAINED 2.06. m
	(11.1	ME SCAVEAIGE BOY
		11.2	TANK CARACITY O, 40 m3
	<u>,</u>	11.3	QT'Y PETAINED QO m)
-	FI		CLEAN BILGE HOLDING TO
			TANK CAPACITY 32,21 m
			OTY RETAINED 10.88m

Signature of Master

Signature 4/E * TO *

TOURNARIS EVANGELOS MASTER

Name of ship .	MIT ISTIA	*******
IMO Number	93 21 038	

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
14 may 2011	7_		DIETY BILGE HOLDING TO
·			TANK CAPACITY 32.49
			07'Y RETAINED 2.6,30 m)
			14. MA-1 201 Jung 1/4
16.MAY2011	c	12.2	171 FO DRAINS FM DIETY FO & TRANSFERED
			INYO N.2 SET FUE.
			QY'Y REVAINED FO DIRTY to. 0,29 m3
			16 MAY 2011 Jung
17.may 2011	н.	26	BUME RING
	<u> </u>	26.1	AT SKACEN
		26.2	FM 02:30 TO 64:40
		26.3	15 FO 380 DEN 0,9906, 250 mt.
			APPED N. 1 STO FOK. TOTAL IN T. 358m
			17. may 2011 - 1/2
17.mA-1201	1 6	12.2	0,91 m3 SLUDGES TRANSFERED FM
			LO PUR. SLUBGE TO , RETAINED QUBM?
			TO FO STUDGE & RETAINED 3. Plus
			14 MAY 2011 + 1000,
		-	

Signature of Master

ctof

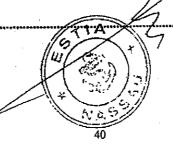
TOURNARIS EVANGELOS MASTER

Name of ship	MM	ESTI A	***************************************	
IMO Number	93	27035		 ************

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
17. MAY201/ 14. 04 A	Č	12.2	1.72 m SLUDE TRANSFERED FM DOJEU
			PUR SLUBEITE, RETAINED OF9m3
			TO FO SLUDGER RETAINED 4.99 m
			17. MA-1 2011 formy of
17-MAY2011	U)	13	0,630 m3 BILGE W & DRAINAGES
		14.	FM 08:07 70 08:14
		15.3	TRANSFERED TO CLEAN BILGE HOLDING
		ļ	OT'T RETAINED 11.50 m
			17. MAY 2011 Jung 1
18 MAY 20(1	2	13	0,630 m3 BILGE W & DEMINACES
		14	FM 07:58 TO 08:00
		15.3	TRANSFERED TO CLEAN BILGE H. T.
			DT'Y RETAINED 12.13 m3
·			18 MAY 2011 Jung /
18MA-1201	J.		OCM REPLACED BY CERTIFIED 15 PPM
			MONITOR OFFRATION PEST CAPPLED
			WITH SATISFACTORY RESULTS
			18 m/ 2001 A

Signature of Master

c/t-A



TOURNARIS EVANGELOS MASTER

Name of ship	M/1 E5710	***************************************
iMO Number	9324035	

ate	Code (letter)	Item (number)	Record of operations/signature of officer in charge
g MAY 2011	Ţ	-	ENVIROLOGGER WAS INSPECTED FM MAKER'S
			REPRESENTATIVE. 19 MAY 2011
	 		
18MAY,2011	P	13	1,26 m3 FM CLEAN BILGE HOLDING X. FM 11:46 70 11:56
	-	141	THEOUGH IS FRM EQUIPMENT
		15.1	Cross 10 18.58 69 E. 1 56.27 518 N
			CTOP 18. 19.0.314 E / 5.6.29.165 N
	-		10,87 m
			18. MAY 2011 July 12
19 MAX20	11 6	12.2	0,34 m3 SLUDGES FM FO SLUDGE TV.
11.0.0.0			WT'Y RETAINED 4.64 m3, TRANSFERED
			TO INCINERATOR SL. K, RETAINED 1.90 W
			19 MA-1 2011 Jan
21 MA/	C		
		11,2	CAPACITY OF TANK 11.88m3
-		11-3	—
		- 11.1	2/4 m3
		1.3	THINK CHITCH

Signature of Master

C/E



TOURNARIS EVANGELOS MASTER

Name of ship	m/1	ESTIA	••••••	•••••	-
IMO Number	mlt	5.5.14.A .	9327035	<u>*</u>	••

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
		11.3	OT'Y RETAINED 1.93 m
		11.1	FO SLUBEE &
<u> </u>		11.2	TANK CAPACITY 11.89 m3
		11.3	DT'Y RETAINE 41.62 m
. ·	<u> </u>	(1.1	PURIFILE LON SLUDGE
		11.2	TANK CAPACITY 4.56
		11.3	OT'Y RCTAINED 0,418
	c	11-1	PURIFIER FU JOO SLUDGE T
		11.2	TANK CAPACITY F.98 m)
		11.3	DT'Y RETAINE 1,58 m3
	C	11.1	DIRTY LOIL SLUNGE. T.
		l <u>J. 2</u>	TANK CAPACITY 5,311 m
		113	RETAINED 1.96 m
		141	DIRTY F.O %
		11-2	TANK CAPACITY (,52m)
		11.3	07"/ RETAINED 1,18 m3
		11.2	TANK CAPACHT 1040 m)
			DTY RETAINED O, O M3

Signature of Master

C/E A

TIA A

TOURNARIS EVANGELOS MASTER

Name of ship	MIT ES	7/A
IMO Number	93270	35

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
	I		DIETH BILGE ROLDING &
·			TANK CAPACITY 3249 m)
			DT'Y RETAINED 26.83 m'
	17	<u> </u>	CLEAN BILGE HOLDING &
	<u> </u>		TANK CAPACITY 32.91 m>
			DT'Y RETAINED 9.66 m)
			21 MAY 2011
<u> </u>			
,			
<u> </u>			
	<u> </u>		
		<u> </u>	

Signature of Master	STRA	
Ιε - / Α		TOURNARIS EVANGELOS MASTER

1	المصمة.
Γ	5
Ĺ	رر

Name of ship	MT	ESTIA	 ***************************************
IMO Number	932	.7075	

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
Igmagii	G	30	FIXED MACHINE WASHING
· · · · · · · · · · · · · · · · · · ·		31.1	SLOP CHROS LOTOS PALOTE H. ESTOLIA
			974. 5.17 m3
			clo From
	-		
	-	-	
			·
	-		
		-	
			

Signature of Master

Name of ship	MT	EGTIA		
IMO Number	932	7035	*************************	**************************************

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
04-WA4-11	G	28	END: NAT 30-14N LON 014-451
		29	START: 1980 LT EMOI 1945 LT
		30	FIXED MACHINE WASHING
		31.2	RESIDUAL TRUK
			QTY TRANSPERRED: 4.50m3
			TOTAL QTY W TAKE. 274.83 W/s
			c/n sta
13-may-11	0_	_	COME TESTED. SIMULATION ALAKMS
			ACTIVATED OVERBOARD AND RETURN
			VMVES NORMALLY OPEN & CLOSE.
			of Francisco
19- way -11	J	55	RESIDUAL TANK
		56	QTY. DISPOSED: 244,83 m3
			ary Retained: Omb
	·	57:14	SLOP BARGE LOTOS; GTY DISPOSED: 27483
			do Sin
9-MAY-11	G	53	PESIDUAL TANK
,		28	PALDISKI, SSTONIA
		29	STARZ 1150/1 END 12004

Signature of Master

Name of ship.	MT ESTA	
IMO Number.	9327035	

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
campy 2011	0	-	TOTAL GTY TRANSFERRED: 144.0m3
			to Ca
og mangzoil	G	2.3	Cots: IP, 45
		28	37787: LAT 29-05N CON. 015-03W
			END: WT 29-314 LON 014-53W
		29	START 1470 UT E740 1630 UT
		30	FIXED MACHINE WASHING
		31.2	SLOP S. WTY TRANSFORM.
			TOTAL GRY IN TANK 268.40m 5
			ditta
DG WAY I	J	<i>5</i> S	siol s.
·		56	QTY TRANSFERRED: 268.40m3
			ary Detained . Out 5
		57-111	TRANSFEREND TO DESIDUAL TAME.
			GTY. TRANSFORKED. 268.40m3
			TOTAL QUY IN TANK: 270.33ms
<u> </u>			doxin
oamnyn	G	27	COT SLOPS
-		28	57 MI 30-104 LON 014-46W

Name of ship	Мſ	esta	4 6 7 6 7 7 9 8 7 7 * * * * * * * * * * * * * *		
IMO Number	93271	235	•,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	>	

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
05 APL 2011	A	. 3	TOTAL BTY LULIDED: 79,335.50m3
			TOTAL CONTENTS OF TANKS: 79,335,50m3
			· College
20APR.2011	0	-	ODME TESTED, SIMULATION AVERMS
			ACTIVATED. OVERBOARD & RETURN
			VALUES NORMANING OROW GOOF.
			40
28 APR. 2011	C	6	OFF COTONOU
		7	COT: 28.25. 38.35.58.55.68.68.868.
an a see		8	COT: 3P, NO, 5555.9m3; 35, NO, 5547.6m;
			SLP, NO, 724.09 m3
· · ·			·lo B
30 APR 2011	С	6	OFF COTONOU
	-	7	COT: 1P. 19. 3P.35.4P.45.5LP, 5L5.
		8	YES, ALL TANKS WELF OMPTHON
			4500
OG MAYZGII	0	_	TRANSFER OF TRUSH WATER FROM
			TC FW TANKS P (5 TO SLOP S.
,			STARY 1305 4 6710:1400 4

Signature of Master	ESTI	
Signature of Master	TOURNAIS EVANGELOS	
	775500	
		DEV 02 Decemb

Name of ship	MT ESTIA	
IMO Number	9327035	

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
31.03-11	G	29	START: 1000HUT BND: 1900HUT
		30	FIXED MACHINE WASHING
		31.2	TRANSFORROD TO TOP P.
			TODAL CITY TRANSPORENT: 186.81 m3
31.03.11	2	55	SLOP PORT COLLE
,		56	474 DISPOSED: 136.8 LM3 HIL RETAINED
		57-111	THANGFERRED TO RESIDUAL TANK.
			cety temperation: 186-8/m3
			TOTAL CITY WE TANK: 192 Oct m3
			%3
03 APRIL 201	J	হর্চ	RESIDUAL TANK
		56	GTY DISPOSED: 192.04 m3. HIL DETAINED
·		57.1	DISPOSED TO RECEPTION FACILITIES.
			NAFTA 33, LATO VENTSPILS, LATVIA,
			@T4: 192.04m3
			do an
05APL 2011	А	ı	VENTSPILS, LETVIA
		2	WILE DED GASOUME COT & IP. IS 2P
			25.38.35.48.45 88.55.68.69.56.56.565.

Signature of Master URARIS TVANGE OS

Name of ship	mī estia	
IMO Number	3247035	***************************************

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
19.03.11	0	~	ODME TESTED. SIMULATION ALARMS
·		<u> </u>	ACTIVATED OVERBOARD / RETURN
	<u></u>		YANTE HORMALLY OPEN G'CLUSE
			c/c serve
26.03.11	C	G	LA PALLICE, FRANCE
·		7	COT'S 38.35. 6P.65. SLP. SLS
		જ	YES. ALL TANKS WELF EMTIED
			lo sta.
30.03.il	С	6	BP JETTY 1, ISLE OF GRAIN, U.K.
		7	COT'S IP. 15.2P.25.4P.45.5P\$55
		8	YES ALL TANKS WERE EMPTIED
			Lo-sa
31 - 0 ን . i(0	_	TRANSFER OF PRESH WATER FROM
			TC FW TANK PAS. TO SLOPP.
	-		START: 0830HUT END: 0912HUT
-			TOTAL OTH TRANSFERED: 166.49 mis of
31.03.11	G	27	COT'S 3P. 35. GP. G9. 5LP. 5L5
		28	START: VAN 54-589 H LOW 005-46.12
			END : M 56 56.50 LON 007-48.20

Signature of Master

COURNAPIS EVANTERS

Name of ship	MT	E3T14	*******************	
IMO Number	9327	035		

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
	(setter)	(number)	
11-02-11	0	<u>-</u>	DRAINED LOADING ARMS MUD
			MANIFOLD DRIP TRAYS TO
			RESDUM TANK TOTAL OTY IN
			PUSIDUM TANK = 3.49 m3
13-02.16	A	ì	NOTAX ZAMY KAN, SINGAPORE CONCE
		2	GAGOIL; COTT : 3P. 35. 6.P. 65.
			SLP. 4 SLS.
		3	TOTAL QTY. LOADED = 29.374.00 m3
13-02-11	0	-	DRAWED WARING MAN TO
			CONTENT TO TOPSIDUAL TONH.
	†		TOTAL BTY, WE TRESIDUAL TANK = 5,23 in
(9-02-10	0	-	ODME TESTED SMULATION of
			MARINS ACTUATED OR JES
		1	
	-		
	 	1	
<u> </u>	<u>r - </u>		

Signature of Master



Name of ship	mt	EST/A	
IMO Number	93270	235	***************************************

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
062.11	G	29	START: 1320H LT; EMU: 1330HUT
		30	FUXED MACHINE WASHING
		31.2	TRANSFERRED TO RESIDUAL TANK
	<u> </u>		ary transformed: 7.50m2
			TOTAL GITY. WE TANK: 200.72 mg
08.2.11	7	5 <i>5</i>	RESIDUAL TANK
		56	QTY TRAZISPERROD: 200.32 m3
	 		QTU CETAINLEV: HIL
	1	57.IV	TRANSCORKED TO MIT ELE STAR".
			QTY 015 POSED: 200.32 m3 c/22
08.2-11	G	27.	RESIDUAL TANK
		28	LAT 01-22.9 N LOW. 104-22.48
		29	STAKET: 1600HLT QUO: 1630HLT.
		30	FIXED MACHINE WASHING
		ગો. (SLOP BARDE MY ELE STAR ; 50.05 m3
11-02-11	Α	ţ	SUMBAN UDANG, MELAKA COSERN
		2	JETA-1; COTS: 1P.18.20.25.40.45
			5P \$ 65.
		3	TOTAL ONTY LUXIED: 48,743.27m3

Signature of Master



Name of ship	MT	ESTIA	
IMO Number	932	7035	

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
04.2.11	0	-	TRANSFER FRESH WATER FROM T.C. FW. TKS.
			PORT & STAD TO COT SLOP PROMO912H
			TO OFICH UT. TOTAL QT4. TRANSFRO, 118,34 m3
04.2-11	G	24	COT'S 1P.13, 28.25.38.38.48.45. 70 CM
			5P-55.6P.69. 4 SLS.
		28	START: UAT 19-30.04 LOW.117-57.08
			5HD: VAT. 17-28.0H LONG 116-36.28
		29	START: 1112H LT END: 2100H LT
		30	FIXED MACHINE WAGHING C
		31.2	TRANSFERRED TO SLOP P. TOTAL BTY.
			TRANSFERRED: 139.83 43
06.2.11	3	55	SLOP P
		56	QTY. TRANSFERRED: 139.83 W. 3 NIL RETWINE
		57.111	TRANSFORKOR TO RESIDURE TRUK.
		_	QTY. TRANSFERROD: 139 x3 m3
			TOTAL aty, IN TAUK: 192.82 urs of mi
06. z.il	0	27	COT SLOP P
		28	START; UNT. 10-15.24 LOW 110-11.0E
			ENO: 10-107 10-40.49

Signature of Master

TANTARIS EVANGELOS

	MT 59T/A	
IMO Number	9327035	

Date	Code (letter)	Item (number)	Record of operations/signature of officer in charge
20.12.10	C	is	ATPE TERMINAL, ANTWERP BELGIUM
		7	COT'S'. 4P. 4S. SLP PORT
		Ø	ALL TANKS WE'RE EMPTIED. CO FM.
20.12.10	0	_	DRAWED LOADING MRUS AND
			MANIFOLD LINES TO RESIDUAL
	 		TARKE. TOTAL ONTO MITO
			1205 DUAN TANK = 48.90m3 c/ 14.
03.01.1	A	ı	MOTOR OIL TERM., A. THEODOROI, GREECE
0 3 0 1 1	,	7	NAPHTHA, COT'S: 1P.15.2P.25.3P.35.
			40.43.51.55.61.65.528 \$ 565.
		3	TOTAL GTY LOADED: 82,546.39m3
-		٠,	TOTAL CORETERETS: 82,546. 39 m3
17-01.11	0	-	ALARMS. ALL OVEY.
03-02-1	С	6	BERTH E7-2, MAI WAD, TANWAR
		7	COT'S. IP. 18.2 P. 25. 3 P. 35. 4P. 45.
			5P.53.6P.65.5LP. 65LS.
		8	ALL TANKS WERE EMPTIED . COM
03-02-1	10	_	DRAWED LONDING ARMS INTO RESIDUAL
			TANK TOTAL CITY IN RESIDUAL TK: 52.994

Signature of Master ** Outstands Langelos



DECKMA HAMBURG GmbH



Address:

Kleler Strasse 316 22525 Hamburg Germany

Tel.:

+49 (0)40 548876-0 +49 (0)40 548876-10

eMail:

post@deckma.com

Internet:

www.deckma.com

Calibration Certificate No. 5014967

This is to certify that the below described instrument has been tested and calibrated in accordance with the requirements of MEPC.107(49).

Equipment:

15 ppm Bilge Alarm

Type:

OMD-2005, Measuring Cell

Serial No. Measuring Cell:

5014967

Value Master Instrument:

24 ppm

Value OMD-2005 Measuring Cell:

24 ppm

Date of Calibration:

30.03.2011

Calibration is only necessary at one polat >20 ppm as unit is linear between 0 ppm and 30 ppm.

Alarm Points are factory set to 15 ppm

DECKMA HAMBURG GmbH Kieler Str. 318 D-23525 Hamburg Germany

Electronic file. No signatures are required

Vigilant Marine Systems, LLC 7000 Merrill Ave, Suite F, Bldg. B-210 Chino, CA 91710 Phone +1 909-597-9508 Fax +1 909-597-9514 email: info@vigilantmarine.com



Work Report

Date

May 19, 2011

Vessel Location MV Estia Estonia

Work Order

Warranty Labor

Enviro-Logger

Attended to troubleshoot the problem with the overboard valve function, which was said to
position the valve in the open/overboard position when above 15 PPM.

 Removed the LockBox PCB and removed the jumper wires that Drew had placed on the backside and repaired the circuit traces that they had cut. Reinstalled the PCB.

 Checked all the wiring and found that this OWS system uses a closed contact for overboard alarm control rather than the industry standard open contact. I made the correction in the Deckma to LockBox wiring.

Ran the OWS and found that the backpressure regulating valve supplied with the system was never installed in the return to bilge line. This dropped pressure too low in the line to maintain a sample flow through the OCM, so the flow switch would not pick up when in recirc mode. I had the 2nd engineer install an 8mm orifice in the line as a temporary fix and we were able to run the system.

Found that a new cell had been installed on the OCM and suspected the unusually high pressure
required to activate the flow switch was due to the ports in the new flow cap being plugged.
There are 4 ports, with 1 being open as standard, and we generally have 3 open to get the
required 1 lpm flow at about 5 PSI sample pressure. I opened 2 additional ports and the system
was able to operate down at 5 PSI.

 Ran the system a final time with the Chief Engineer and Second Engineer present and to their satisfaction.

 Checked the Incinerator Sludge tank level transmitter and found the UNZ set too low, and the Noise Threshold set too high. Corrected these, made a small adjustment to the calibration.

Hours:

Travel hours and service hours are being done under warranty.

Service Technician: Cralg A Mason

*

Vessel Representative:

IONIA MANA SEMENT S.A	Prepared by: DPA	Effective Date: 22-12-2010
Environmental Management Manual	Approved by: MD	Revision: 3
ESTIA	Section: Operational Controls	Form: ENV 008

		١	- 7	\neg	- 4	ī	7	٦	Ĩ	7	1		ī	T	1	_1	- 1	1	
AND STREET, SALES	C)RUTTER																		
		200	The state of the s	1/1	4			1	12/			1					Y	1	
			*	M		M		10)			P	# C	1			*		A.	-
î.			2,52	2.52	1,49 2,52	22.8	2,5	252	52 0,00 0,63 1,49 2.52	2212	755	1 40 0 C	7 7	7.87 601	22.2	3 2.52	9 D.S.2	150 08-043/40 252	
, 32.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	47		61711	3 1.49	3 1.49	37.75	31.49	95	3 4.4.6	3 1.49	5/1/2	\vdash			3 149	5 T 49	3 T. 419	13/4	
14.00			0. FO. 0.00	000	299	070 093	0,800 83	0 093	000	200	0 40 093	202	5 75-	0 20 6 93	0 093	₹ 0 0 et	020 093	2	Chief Engligeer
	200		¥ 0.50	9 0,80	5 6 %	30 OE	_ [1,44 9 20 093	202	3 0 6		ا ا	- 3	82 67	23 870	0 0 1	40 03	6	8
Section 1	A STATE OF		357 %	97 1	<i>₹1</i> 81	9.7 8	5	015 114	216 15	017 163 060 093 149	121810		4-	816	012 4.2	0,14 1 ,4	71 117	1 -	7
	Z		55 0,1	95-Q	25	550	05501811	0 ZZ 0	55 0			7	12	040	ŝ		í	7 6 8 7 4	
and the second	PURTER LO RUDGE TX		009 0.55 0.16	975 CO 095 B31 710 360 PO 0 270	000	075009 0,550,18 1.80	0 60	2 90 5	0,00 0,09 0,55	S. 0 96 6 80 0	0000		0,13	2/1/0	0,12	0 19, 0 68			1
	Ž.		925	2 23.6	1570	275	065009	6016 0,39 085 009	0,00	800	80		0 6	220	280	0 c	1	200	
	STORY OF THE PERSON			1 '	2 68.0	0.39	0 34	0.30	0.0	90,0	20 00 0		01.0 22 0	022 040 088	0,42	0 42	2000	7 2	7 7
			1 44 039	33	060	0,98 039	1,14	910	1.12	900 800			22'0	220	974 086 042	57.0	1		S S
			911	1	270	0,80	950	0,26	060	03.0	3 6	<u>}</u>	030	0.30	120	590	3-3	5	30 0
	1.00	7	61.	0	. 19	2	611	0	-	0	Ó	-	אַ	6/:	0	6	1 6	2	079
			2.2	22	6.22	1.22	6.22	. 27	22	2	9 6	7	222	3 . 22	9.22	20. 113	1 2	77.0	45,27
	Part House The Part of the Par		170		12.8	12.9	~ 사	12.71	77	7	0 0	دا دا د	5) 5	75)	2	3 3		9 16.
	32.5		000	2000	00	χς. Τ	0.1	7.	-		2 6	2	00	0	421.0	-	3	9 (2 1 2
	TARCON TO		91 9 . 00 140 180 180 180 180 180 180 180 180 180 18	72 (1104) 808086 1116 12 19 0.63	73.11 081 10 08 103 12.38.22 . 19 025 0,90 0,39 0,55 0,09 0,55 0,18 1,25 220 093	18.3.110.80 B.O 1.34 12.94.22 18 0.80	080 9.0 1.08 1308.22 19 03	22. 10 00 B.O. 17 14341.27 19	11.3.11.087 8.0 1.17 14.30.27 19 090	20 07 CC 30 7 12:1 C 30 70 0 11 C 30	22 - 1 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 2	2 21.6	24.3.110,110 3.21 0.61 6.03 1.22 1.13	25311 040 3.21 Of 753 .22 19	203110 11 0 72 1.0 11.69.32	7421. 420 0 0 0 0 11 12 8 11 12 40	7 5 7	28.3-11 5.32 3.40 1.54 16.ED . 3.4	18-3-110,34 K. 60 1,46 118,451,22 1,20
		d	6	2 G	80 /	0 0	80	9	0.00	2 6	2	0.11.0	3.104	3.11 0.4	2	2	2	E)	3-1/103
-	S S S S S S S S S S S S S S S S S S S			S /	4 7 1	<u>a</u>	0	2 6	2 2	3	3 6	ğ	27.1.	25.	2	1	7	 	78.

Appendix D Page 69 of 109

Nemt Signature & Stamp

150 020 631,49 255 1.58 0,200,93 1,49 12.52 VA COTH ALITY 970 620 0,79 0,16 7 17/ STTA. 948 1.0P 090 048 1.08 Shauma and certifying under the parametry of peoplery that the veloces land academpa and charge people the formation of people control of the 12 C Name Signature & Olemp 31.3.111.56 2024 Our 3. 92 0.22 . 20 30.2.17 0,34 2,60 1,58 20,50 0,22 DATE

Eavicomponed Manual Manual Section: Operated by: DPA Effective Lo. (10.02.3010)

Eavicomponed Manual Manual Section: Operation: Oper

Appendix D Page 70 of 109

			STATE OF THE PROPERTY OF THE P					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						,						
		200	50		(H)	13	B	N.	j	1,1	Ü	13	13	B	B	186	13	1]
÷					Junit	Think		1	Lux	Luss	ting	Light	Vecy-	Lange	Leut	land	Many	Xeigh	heart	3
			100		2,52	20.00	2,06	0.06	700.8	2.06	2.00	2.06	53	200	Т	1	\Box	1		<u> </u>
01 07 2010 11: 2 10: 2 00s			10		3 1,44	3 1.40	31,15	3 1.10	3 1.10	3 11.00	3 410	3110	3 1.10	3 1.10	13 1.00	13 1.10	7, 7	╄	+-	7
			mren ta	-	070 093	0,20 09.53	0,20 093 1,10	60 0 93	20 0.3	020 093	560020	0.20 0.93	50 0 63		ł		700	7	. ا	
Effectiv			g g		1.58 %	56 0,		58 020	1.58 0.70	93	93	7	3	\Box	1 %	C. C. 19)	11/	3 6	<u> </u>
v: DPA bv: MD onal Coarol	٠	0000000	7,000		1 910	9) ()	0 16 1.	01.0	0,16 1.	-	<u> </u>	1		4	1	=	2	71.	71	
Prepared by: DPA Appreced by: MD Section: Operational Councis			35.		0 29 6		_	67,0	620	2000	776	000 70 0	22 2	4			1	49 5	ı,	8 ()
		ER TANKS SO			171	77	-	1717			2	1		4	-	_	ــــــــــــــــــــــــــــــــــــــ			2
Environmental Management Manus		EMI	Ž,		108	+-		2 1.16	1 724	7	0000000	000 1113	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 لا	2 7 6		- 1	39.5	997 B. B. G.C
MANAGE ESTIA		A. A. Carlon	9	0	63 " 69	1	1,44 0.52		1		2 2 2	7	9 6	1	1	ı	7			विश्वयः विश्वत
Envisor		Strange.			00	_		•	1	┾╌	1-	 	1 00	1	2 W.				135/1	व्हर्
<u></u>		2000 E			2		-1-	1	1	 	-	╪╌	- 1 · c	\	_[_	13.	7			970
- ,					010		4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 27 0			.]	1		_		77 0	() ()		1	
		7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	A CONTRACTOR OF THE PARTY OF TH		יב טיל טיליט	0.00	10 12	13.29 02.22	200 000	3 5	7421 544	4.52 027	7.70 6.4	0.06	10,13			18:54 0.22		4,23 522
	-					1.4.11 1.3% 27.44 4.36 3.86 4.44	20 20 10 13 00 0 20	00 1 1 10			1,62 11,46	75.005.57	8.4.1.190 25500,54	6,85 662 6.06 0.22	C. 83 ago 10, 13 0, 12	11.4.11 070 6.83 0.96	124-11 वि हैं वि वि होते । 130	31.53	970	26,3 0,48
			CLEAM BEACE HOLDWASTK		9	4 6			1 3	1.30 X0.441.10	-	XXX	22.5			0 8 9	্র ্	134.11 D. TO 6.83		
				4		\$ C1 }	25.11.11.36	87 7			5C0 //	Cb. 11 17-32	6	2	10-41 10 60	11 03	<u>¥5</u>	<u>10 11 </u>	11.4.11	13:411 1.96
			DATE			,		3-1-1			6.41.11	75.5	<u>80</u>	9.4.1	0	7.4	건	ल	111	<u>₹</u>



Appendix D Page 71 of 109

	2-4	1		- T			1			,												•	
							,																
					<u> </u> 	_	<u></u>		_		\	7	7	2	5	Z.						P-	
		3	8	2	2	S	8	P	ð	0	2			$ \tilde{S} $		0					. •		
		Keey	The second	Territ		The second		Freeze	1			Service of the servic	cent	train	Den't	Control of the second) (ŕ	J
		700				_	300	1 2	3	_	4	95 8	_	3 6		2000			1				
		07/2	9	┰			2 - 10		•	_	}		1-	٦-,	2 7.70				X	/ <u>-</u>	·	11:	,
	31	7 93		660 132	0.00	6 73	250 1030	20.00	0.00	0 FO 1.72	_T	┪-	-1			-11 -	Charlenging	VARTHOLITY	/ · · · \ ~ · ·		, .		i i
		2			•		73.0				123 0	1,410	1,40 0,40	OKU 017'1		91	० ११ <i>९३</i> ७	Name Signalury	The second second	٠. س	i	Ŋ	•
		1		- 1		96.	Ś	9	1	41	777			[7]	<u> </u>	· \	97.		resent truthful				
		-		99'0	990	290	990	- 1	- 1	997	990	990	299	250			1000	N	Man by Durby one reculation to the contract and represent truthly was	_			
			52	17	2	7	2 12	$\overline{}$	162112	13 - 12	3 12	13 .12	2.43 .12	2,43 12	2.43 .12	2.43 - 12	243 77	J.	FA EMP ara R	ري ا	A THE PARTY	世	
			0,08 26	50 1.31	131	187 950	291 195	1991 1790	1 19 1	054 2.43	031 243	DBW 2.43	084 7.	084 3	084 2	0843	180		Amelined United		TU	LSAN TO STANK	
	E		930 0	950 587	185 256	3	03 £ 04	1,43	मिड्रमा	2 647	577	0 680	983	0.83 C	083	083	0.83			ire gow	188/2	TOURWAND STEK	
	20,000		35.0	1.38	139	790	0170	0	110	070 070	1.10	030	O. to	ot c	0.20 02.0	0 20	0 60	M .		gs send comporting Engl	4	//	
			0,20	9,70	02.0	220	020	920	020	- 1	020		1 020	1 020		0.20	21 0,20	N E	Signature & Staffio	albanos puel s			
	Buro (15		6 021	8 0.21	6 021	18.35 021	1707	14 10 21	40, 021	1064 321	14.69 1021	15.82 0.21	1582 021	16, 11 221	16,01	18.11 0.21	6 40 0.		₽¢(S	that the various	§ {		
	Portraide Holderank 32.49	The state of the state of	0,56 5,26	0,70 F.18	30,8 040 30gl	1 45 18.	7.808 7.08-1	170 BOU	1092 104cl	192 Jan					30 16	31 06 1	37 16	İ		orthy of perjusty the			
STR DRIVE	3×	1	12.13	12.13 0	200	2	٥	1965026	6.30 0	6.30 B		1	-	1	7,64		4.64			under the pot			
	CLEAN BLOSE HOLDING TK		1.06	١.	Ī	2	2	051	22 4.11.1066	1	1	77 11 11750	26.11.11.020 6.83	020	77.011 11 80	9#0	B4-11 D16			Ensuring and certifying under the pensity of perjury that the various land soundings and color is Ensuring and certifying under the pensity of perjury that the various land soundings and constraint.			
	DATE	X-12-1	16. (1.1) 1.06	17.7111 1.06	11/0/	20.00	20 4.13	11-17-18	2 4.1	224 11	17776	773	20	3	2 00	2,7	20.0			Ensuring			

FONIA, KAGEMENT S.A Prepared by DPA Effective Date: Os. A2010

Environmental Manuel Section: Operata and Controls

ESTIA Section: Operata and Controls

Extra Controls

Appendix D Page 72 of 109

Effective Date: 01 £010	Retryied:	Foch:	EN. 008	
Prepared by: DPA	Approved by: MD	Section: Operational Controls		
 NIA MACAGEMENTS.A	onneam! Managented Manual	ESTIA		
Ö	Entrat			

[]	er Se		ĺ	7	1				1	Ì]		T		1	Ī						
																	,			•		
Astronomic Section 1			12)	EN.	A R	6	12 P	6.13	ĬŸ	V	W	1		The state of the s	12	B	18					. •
25000	SACRE	Stories	Cent	Put	The same	Ruf	June	grant.	Pins	Kens	X	Lung	Jan. J.	hunt	Tunk	Knust	Zem,					
2000年			2,06	₹ 2007	30.5	2007	2.08	, 20.05 0	206	1,06	100	2.00	2000	0 2.06	1.40 2.06	7,06~	0 2061	1	1			
S. Bracker	9		193 6,40	1.93 (40	3 1.40	07-7 E	3 840	73 6.40	30 640	1,96 1.40	9.40	6 1.40	041 2	017.7 9.67	191 961	1.96 1.40	1.96 1.40	7/1/6		<u></u>		
1. Sept. 18.			5 Tata	P.1 CT 0	1.83	FO 6.93	20 193	20 S.	£8 4.6	032 110	0.02 186	0.92 1.96	092 1.96	092 1.9	0.92	092 1.9	653 1:	SECTION T				
の発展	9 8 8 8	1	0 9 1	2,75	1,46 000	1.93 0 50	1,93,000	86.7020861	08.1 82.0 581	d. 11.0		<u>r</u> 2		0 Oh 7	2 85.1	1.58 b	1.93 6		Service S	\.	تسيير.	
OKO CEO			.18	8) 4	ا ا	(P.)	20	.20	200			3%	191) 7/ a	9/	91	3 . 20		X			
SOCHECIE			99'	99	, 66	99 <i>-</i>	79	j -	99.		l	ì	1	T	.39	5 1.39	6.1.39				VO E	
E/R TANKS SO	£ 200-3	1 Page 1	21 . (5)	13 12	13 12	13 112	13 , 12		13 . 12			_	252 .741	Ž. W.	1 -	9.66.26	2.86.26			Š.	_	
	F.O. SUBDRETK	ACTION SHOW NAMES	543 1780	084 243	0.842.43	984 2.43	84 2,43		l	-		0 84 2	0.86 2	089 7,	0,83 3.66		0.92 2		50 is	Subsequence:	<u>.</u>	ੈ ਹ
	 -	le ·	lm	30		1.13	780 987	1.3%	1510	1.60	09.	1210		1	١.,	156	25.			APLE EVANCE TO THE B	1 (40%	האסלט
	SUDDETK SUDDETK 2. KL	1	٠, ۲٠	5	9.	8	200 100 100 100 100 100 100 100 100 100		•	T	92	290	09	5171	7	1	6.49 1.18	E See		distant.	Broth	8178
	BLOCOL TH		3	, 20	.8	33.	2,	સ	T	1	1	$\overline{}$	7, 7,	24 24	1				Name Signeture & Staring	third southding		
			21,45,91	12:06 21	5.52 21	<u>2</u>	6.30 .71		16.00 %	20 02	0 08.7	2 2 2	30 05	2010876	06.30 1.66	3015	26.30 1.59		Stane	het the visitout	**	11
1000	S CONTRACTOR OF THE PARTY OF TH		1.6.6.21			12821		1	1	1	1	T	σ	108 2/		000	000	3		etty of perjusy t	Deck COW	
	1			76 75C2 1	2630158	16.30			+	200	2030.08	5	į	1 _	2.8	1007	10.07 1.99			under the penn		-
	GENERAL CO.		カダエーラネー	ر بر بر	9	ò	20 7		38.	0 , 0	0	200	g ,	0.4	-i	85 10 50 88 10 88 0 C 50 15 W	14 511 1000			Ensuring and certifying under the pennetry of perjusy that the visious land southdropying HRAA		•
	DATE		11 5 11	115%	128	11817	100	2 2	3 8	10	200	100	7 1			2 3	14.			Ensuring		

The control of the			
Environmental Management Manual Section: Operational Controls Environmental Management Manual Section: Operational Controls ESTIA Section: Operational Controls Section: Operational C	Effective Date: 22:12/2010 Revision: 3 Form: ENV 008	Kent 81:1 Kent 68:1 Kent 68:1	1 1 1
Environmental Management Manual ESTIA ESTI	Approved by: MD Approved by: MD Section: Operational Controls	4.8 10 4.0 0.42 1.36 4.86 0.89 0.92 1.36 4.86 0.89 0.92 1.36 1.96 0.92 1.36 0.99 1.96 0.99 0.99 1.96 0.99 1.96 0.99 1.96 0.99 0.99 1.96 0.99 0.99 0.99 0.99 0.99 0.99 0.99 0	Kerne Signature
		26.30 1.58 6.49 1.18 1.56 1.91 2.86 26.30 1.58 6.49 1.18 1.56 1.31 4.98 26.30 1.58 6.49 1.18 1.56 1.31 4.98 26.20 1.59 6.49 1.40 1.70 1.26 4.64 26.21 1.54 6.88 1.42 1.93 1.26 4.64	Manager Manage

IONIA MANAGEMENT S.A	Prepared by: DPA	Effective Date: 01/05/2011
Company Procedures Manual		Revision: 2
Company recedures marter	Section: Shipboard Personnel Training	Form: M026
ļ		

DRILLS PROGRAM: (for the year: 2011)

Flag: Bahamas

No	Drill Title	JAN	FEB :	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT '	NOV	DEC
1	Man over board		İ		ALIANIAL								
2	Abandoning Ship	(X) Lautch 5 L/B Into 5 water & manoguvre	(X)	08 (x)	Lancha L/B into water & manoeuvre	⊗ 16	X	X Launch L/B into water & manoeuvre	Х	Х	X Launch L/B into water & manoenvre	х	х
3	Pire in	24(X)						Í	X				
4	Accommodation -	29		Ch							Х]
	Spaces			111	1001			ļ <u>.</u>				Х	
5	Fire in galley		-		(x)15	635		<u> </u>		x			X
6	Fire at manifolds		(x)			01/5						 -	╂
7	Fire in the Paint Locker				·		X.					<u> </u>	₩
8	Pire in Cargo Tank					ļ	ļ	x					
9	Enclosed Space Rescue / CO2 room rescue	(X) 22			15			X			X		
16	Serious Injury		1	(x)(Í	<u> </u>	X X			X	<u> </u>	├─ ─	X
11	Emergency Towing			Ou	,		X			X			_^
12	Toxic Vapour Release	(X)E				66/5		X]	<u> </u>		x	_
13	Fallure of the Steering Gear		(3)			X		<u></u>	X	<u> </u>	<u> </u>	<u> </u>	
14	E/R Flooding	<u> </u>		(x)8	3			<u> </u>	 _	+	 	 	+
15	M/E Fallure				1	ļ	₽-		<u> </u>	 -	 	x	+-
16	Electrical Power Fallure					<u> </u>			<u> </u>	<u> </u>	<u> </u>	ļ	↓ –
17	Helkopter Operations		<u> </u>		(x)21	<u> </u>	<u> </u>	ļ	ļ	↓	х		╆-
18	Heavy weather damage					X	<u></u>		<u> </u>	<u> </u>	<u> </u>	 	—
19	Structural Failure	(X)			 	108/5	<u> </u>	x				ļ	<u> </u>
20	Explosion		X 7	2				120 - DWG 120 - LV	X	20.0042	ana Toe bridge	100 (200 (200 (200 (200 (200 (200 (200 (1 246 - 36
· · · · · · · · · · · · · · · · · · ·	10 March 2010		100	(Ø	10.8101	OFER (2)	4.		HATE TO SECURE	++37 (85)	X	3 2 3 3 T 4 T 1	T
21	Collision/oll spill	(x)22			 	 	+	 	+	+	1	X	十一
22	Grounding/oli spill		(2)			<u> </u>		<u> </u>	<u> </u>	 		ļ	 _ x
23	Tank Over Flow		<u></u>	(x0	1—, 	13]		 	+	 	 	† '
24	Pipeline Leak Loading	 	┼─	 	(3)	12/2	<u>Y</u> _	<u> </u>		<u> </u>		ļ	↓_
25	Pipeline Leak	<u> </u>	1	1		X							
26	Discharge Pipeline Leak. Ship to Ship	† —				1	X						
477	Transfer Spill during	<u> </u>	+	 	- -	 	+-	×	 	+-	 	1	1
27	Bunkering Operations		1										1
28	Huli leakage	—	+	1	1				X		ļ	ļ	4-
29	Excessive List	1	1	1	1	I			1	X	<u> </u>	1	<u> </u>

Remarks: SOPEP / SMPEP Drills must be carried out according to the instructions provided in vessels SOPEP / SMPEP. For these drills an "Initial Notification TLX" and a "Follow up Report - TLX" should be sent to the HEAD OFFICE, with the indication "This is a Drill - This is a Drill". At the end of each drill, an entry must be made in the deck logbook. An additional Fire and Abandon ship drill must be carried out within 24 hours of the ship leaving the port, if more than 25% have not participated in any abandon and fire drill onboard in the previous month.

DPA: Arksteidis Dimou

Date: 11th May 2011

JAN 05- PORT/STAD UPPROAT LOWERED INTO THE WATER AND HANGEVOR

This form should be submitted to the Head Office every month. Note: Refer to Company Procedure No: 14

Vessel: __ESTIA

Ā.	Date: 07 MAY 2011	Time: 13:00H - 15:00H	Place: AT SEA
$\frac{\mathbf{A}}{\mathbf{B}}$	ATTENDEES:		
. D .	<u>Title</u>	<u>Name</u>	Signature
	11110		
	1. Master	Tournaris, Evangelos	
	2. Chief Officer	Sari, Rogelio	Nager .
	3. Chief Engineer	Varthalitis, Ioannis	
	4. 2 nd Officer	Sazon, Ariel	ONDUTY
	5. 2 nd Engineer	Alibuyog, Jaimes	7700
	6. 3/ <u>O</u>	Gargar, Llyod	
j	7. 3/O	Epis, Myan	<u>'[[\sqrt-\]</u>
	8. 3/E	Grafil, Dan	1
	9 <u>. 4/E</u>	Busto, Edmund	
	10. Pump man	Verona, Esmeraldo	
	11. Bosun	Santos, Ramil	
	12. Electrician	Umali, Nicanor	ONITY
	<u>13 .A/B</u>	Ranido, Jim Voi	ONDUTY
	<u>14. A/B</u>	Reyes, Marnie	Mong 2 Kus
	<u>15. A/B</u>	Nahil, John Paul	- Tank
	16. D/CDT	Malcontento, Warren	Agamor
	<u> 17. Oiler</u>	Aloha, Eduard	- Or James
	<u>18. Oiler</u>	Cabilitrasan, Danilo	- Thank
	19. C/cook	Dagsa, Francisco	<u> </u>
	<u> 20. E/CDT</u>	Aduca, Ryan	- CELEVIL
	21. Messman	Nahil, Jan Fider	
	22. Messman	Segundo, Arnel	- O'franco

- AGENDA: Following topics to be discussed (if applicable.) C.
 - -Sub: SMS review forms February & March 2011
 - The code of safe working practice (PPE)
 - Near Miss report.
 - Drill report.
 - Training sessions.
 - Vessel monthly environmental performance-monthly security notices, health and hygiene, safety notices.
 - Company Circular
 - a.a Safety: 153, 154, 155, 156, 157, 098, 158, 159, 161, 163, 086
 - a.b Tech: 036, 048, 049

Form: QEPM, PRO 04-13 "Supplier Evaluation" report.

- a.c - Sec: 14, 15

D. MINUTES (including action plan and responsible person(s)).

AA.)

On 07 May 2011, at 13:00H- 15;00H, Extra Safety Committee meeting held at crew recreation room, in the presence of all crew except those on duty. After the meeting absentees were de briefed.

IM/PRO14-1/06-2006 n 07 May 2011, at 13:00H- 15;00H, Extra Safety Committee meeting held at crew recreation room, in he presence of all crew except those on duty. After the meeting absentees were de briefed.

TOPICS DISCUSS IN SAFETY COMMITTEE MEETING

*Master's envirometal review ENV 014 25.04.2011 carried out as per IONIA's Envirometal management System(three months period since takes command of the vessel 02.02.2011)the extra meeting chaired by the master and attented by all senior officers (except duties) as listed above.

Discussed and analysed in details company's environmental procedure manual as well as the relevant forms which must be completed in daily, weekly, monthly basis and our target to minimize the risk Of environmental violention.a friendly reminded made to special to galley personnel regarding the proper handlingOf the consumed cooking oil and that the used cooking oils must be incinerated and the

Relevant entries should be made in the respective form in the ORB part I. A copy of the ENV 014 kept onboard and the original send to office by e-mail and hard copy to the attention of EMP.NO any related non-conformities reported. (master's suggestions as per attached report)

* (PN: 756065) SMS review forms February & March 2011

The code of safe working practice are always taken into account every time we have safety committee * THE CODE OF SAFE WORKING PRACTICE meeting, and discussed well and with full implementation and observance to all the crew. Discussed-reminded to all crew always to wearing/use the appropriate PPE during drills.

Discussed –analysed in details to the crew NO.02/11-NO.03/11-NO.04/11 near miss reports corrected And inserted in the relevant folder SFS-33.fully signed. Furthermore reminded to the crew that basic cause of a Near Miss should be properly identified and mentioned in the relevant form. Some of the following, but not limited to, can be considered as cause(s) which can lead to a Near Miss;

- Lack of awareness;
- Omission or neglect ion of the responsible crew;
- Lack of maintenance;
- Lack of training;
- Inadequate procedures;
- Human Error

The crew are informed and explained to act accordingly with the SOLAS requirements regarding DRILLS. The missing -toxic vapor release as well as -structural failure drills will be done in the few next days with the relevant evidence.

Discussed and reminded that training is a continuous process and crew's competency shall be exercised * TRAINING SESSIONS during various drill scenarios. Emphasized that next drill and how it will be performed should be

IM/PRO14-1/06-2006 IONIA MANAGEMENT S.A cussed prior its commencement in order for the crew to be adequately prepared and clearly u'stood other v: rd or risk that have to be considered during a real situation related to the specific scenario. 'eminded that additional training will be provided when necessary (i.e demonstration of portable gas struments, demonstration of various Safety equipment, etc) as well as during the Training Sessions a L ed videos should be watched or a relevant company's procedures will be discussed, in order to enhance e awareness of the crew on the respective subject of the session.

- V.)NTHLY ENVIRONMENTAL NOTICES: Already completed in 1st extra SCM.
- V INTHLY SECURITY NOTICES: Already completed in 1st extra SCM.

MONTHLY HEALTH AND HYGEINE NOTICES: Already completed in 1st extra SCM.

- 3 ONTHLY SAFETY NOTICES: Already completed in 1st extra SCM.
- ONTHLY CIRCULARS (SAFETY)

T: 153) INSPECTION Fuel Oil Quick-Closing Valves

liscussed -analysed to the crew the Safety Alert 01.2011 "INSPECTION OF FUEL OIL QUICK-> DSING VALVES" issued by US Coast Guard on 31/01/2011.

(SFT: 154)

dircussed anlysed to the crew the following SOLAS amendments came into force in 2011:

-) 'ime to say farewell to asbestos
- i) ECDIS simplifies navigation
- Efficient fuel documentation Coating guidelines updated
- n MARPOL 73/78 Ship-to-Ship Transfer revised
- i) New NOx limits

(SFT: 155)

Discussed analysed to the crew the SMS Management review meeting.

(SFT: 156)

Discussed analysed to the crew the importance of Lloyd's Classifications news "MARPOL Annex V - new V der Caribbean special area takes effect from May 1, 2011"

Explained and discussed Memorandum of Understanding Between USCG and EPA for Enforcement of ; iP, USCG - VGP Job Aid.

(SFT: 157)

(SFT: 158)

Discussed-analysed to the crew the USCG Safety Newsletter "Salvage and Marine Firefighting Requirements and Vessel Response

(SFT: 086)

Discussed to the crew and posted the new after office hours contact list.

Discussed to the crew the Updated Circulars Index, the revised form SOM SEC 01-02 Master Handover, the revision History of the SOM.

(SFT 162) Discussed to the crew the New regulation to China.

Discussed to the crew the IMO Circular No. 3175, Updated Circulars Index, Navigation in the sea area surrounding Japan in the wake of the earthquake and tsunami 11 march 2011.

*MONTHLY CIRCULARS (TECHNICAL)

(TECH: 036): RE: Operation of Unmanned (Unattended) Machinery Spaces. Read explained relevant circular.

TECH: 048): RE: FRAMO BALLAST PUMPS. Read explained relevant circular.

(TECH: 049)

Discussed with the crew the Closing device for the ventilation of battery room IACS unified interpretation SC 240.

Form: QEPM, PRO 04-13 "Supplier Evaluation" report. Reminded to the crew the importance to return the packing materials upon delivery of stores-provisions such as wooden pallets-plastic in order To minimize the risk of environmental pollution as well as the cost -quantity of the garbages to be discharge to various shore facilities

*MONTHLY CIRCULARS (SECURITY)

(SEC: 14)Discussed and explained to the crew the Port state security advisory, Security Advisory 1/11 issued by USCG.

(SEC: 15)

IM/PRO14-1/06-2006 Rev. 3 IONIA MANAGEMENT S.A. cussed to the crew Libya crises info for shipping Operation Active Endeavour. Svaluation of Topics: During our evaluation we found out that the crews are absorbing all the topics discussed n varted to them and the ideas shared.

I viewed Topics:

During our extra meeting we review the respective SMS forms we perfectly and adequately discussed the safety, environmental and security issues with broad understanding and vice-versa of ideas.

Safety committee meeting ended with participation of all crew. Sharing of ideas of each Crew member during safety meeting is good practice.

DISTRIBUTION

1. Officers Day Room x.2. Crew Day Room x. 3. Onboard File x. 4. Head office x

MOURNARIS CAPT